

3/19/1 (Item 1 from file: 351)

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**Liq. clathrate cpd. for aerosol compsn. - comprises guest
cpd. e.g. diethyltoluamide, host cpd. e.g. 4,4'-cyclohexylidene-bisphenol
and organic solvent e.g. ethanol@**

Patent Assignee: KURITA WATER IND LTD (KURK)

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 4183776	A	19920630	JP 90313123	A	19901119	199232 B
JP 2926977	B2	19990728	JP 90313123	A	19901119	199935

Priority Applications (No Type Date): JP 90313123 A 19901119

Patent Details:

Patent No	Kind	Ln	Pg	Main IPC	Filing Notes
JP 4183776	A	5		C09K-003/30	
JP 2926977	B2	5		C09K-003/30	Previous Publ. patent JP 4183776

Abstract (Basic): JP 4183776 A

Cpd. comprises a guest cpd., a host cpd. and an organic solvent which has higher evapn. rate than the guest cpd. Aerosol compsn. contains the liq. enclosure cpd. and a jet agent.

Guest cpd. is usually the effective components of a volatile insecticide, natural essential oils and perfumes, e.g. diethyltoluamide (DET), cinnamaldehyde, allylisothiocyanate, alpha-limonene, 1-alpha-terpineol, cinnamon leaf, peppermint oil. Host cpd. (For DET) is 4,4'-cyclohexylidene-bisphenol, 2,5-di-tert-butylhydroquinone. Ordinary examples are: 1,1,6,6-tetraphenyl-2,4 -hexadiyn-1,6-diol. 1,4-diazabicyclo- (2,2,2)-octane, t-butylhydroquinone, granular corn starch (Porous Y-20). Organic solvent is ethanol or acetone for DET as guest cpd. and 4,4'-cyclohexylidene bisphenol. Other solvents are kerosene, styrene, ethyl acetate.

ADVANTAGE - Prod. excels in slow releasing property and chemical stability preserving the effects of insecticidal and fragrance

Dwg. 0/0

Title Terms: LIQUID; CLATHRATE; COMPOUND; AEROSOL; COMPOSITION; COMPRISE; GUEST; COMPOUND; DI; ETHYL; TOLUAMIDE; HOST; COMPOUND; CYCLO; HEXYLIDENE; BISPHENOL; ORGANIC; SOLVENT; ETHANOL

Derwent Class: C03; C07; D23

International Patent Class (Main): C09K-003/30

International Patent Class (Additional): A01N-025/06; A61K-007/46;

A61K-009/12; A61K-047/10; A61K-047/22; A61K-047/28; C07C-049/717;

C07C-233/02; C11B-009/00

File Segment: CPI

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Chemical Fragment Codes (M1):

10 M423 M431 M782 M903 M904 M910 P341 Q620 R011 R052 V0 V723 R01863-M

11 M423 M431 M782 M903 P341 Q620 R011 R052 V400 V404 V780

Chemical Fragment Codes (M2):

01 G011 G012 G013 G100 J0 J011 J3 J331 M210 M211 M212 M240 M273 M281 M282 M320 M414 M431 M510 M520 M531 M540 M782 M903 M904 P341 Q620 R011 R052 R03513-M R09107-M R09430-M

02 G010 G100 H7 H721 J4 J471 M280 M312 M321 M332 M342 M372 M391 M414 M431 M510 M520 M531 M540 M782 M903 M904 M910 P341 Q620 R011 R052 R00764-M

03 H7 H716 H721 K0 L2 L220 M210 M213 M231 M273 M281 M320 M416 M431 M782

M903 M904 P341 Q620 R011 R052 R06816-M
 04 G035 G562 H7 H721 M210 M211 M213 M232 M240 M282 M320 M415 M431 M510
 M520 M530 M541 M610 M782 M903 M904 M910 P341 Q620 R011 R052 R01119-M
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 M342 M373 M391 M415 M431 M510 M520 M530 M541 M782 M903 M904 M910
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 R052 R10409-M
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 09 D000 D790 M280 M320 M412 M431 M511 M520 M530 M540 M782 M903 M904
 M910 P341 Q620 R011 R052 R01188-M 01595

Ring Index Numbers: 01595

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 ; R06816-M; R01119-M; R00669-M; R10409-M; R05116-M; R09041-M; R01188-M